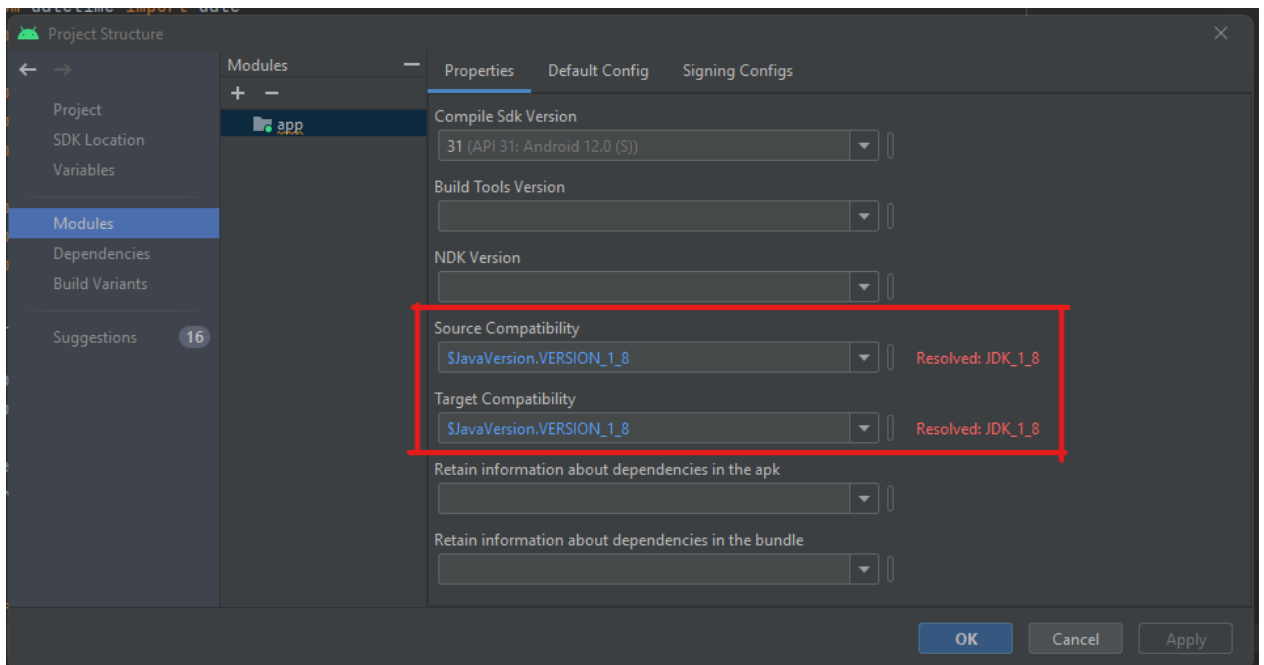


Polity-Correct Setup

Setting up a new Android Studio workspace

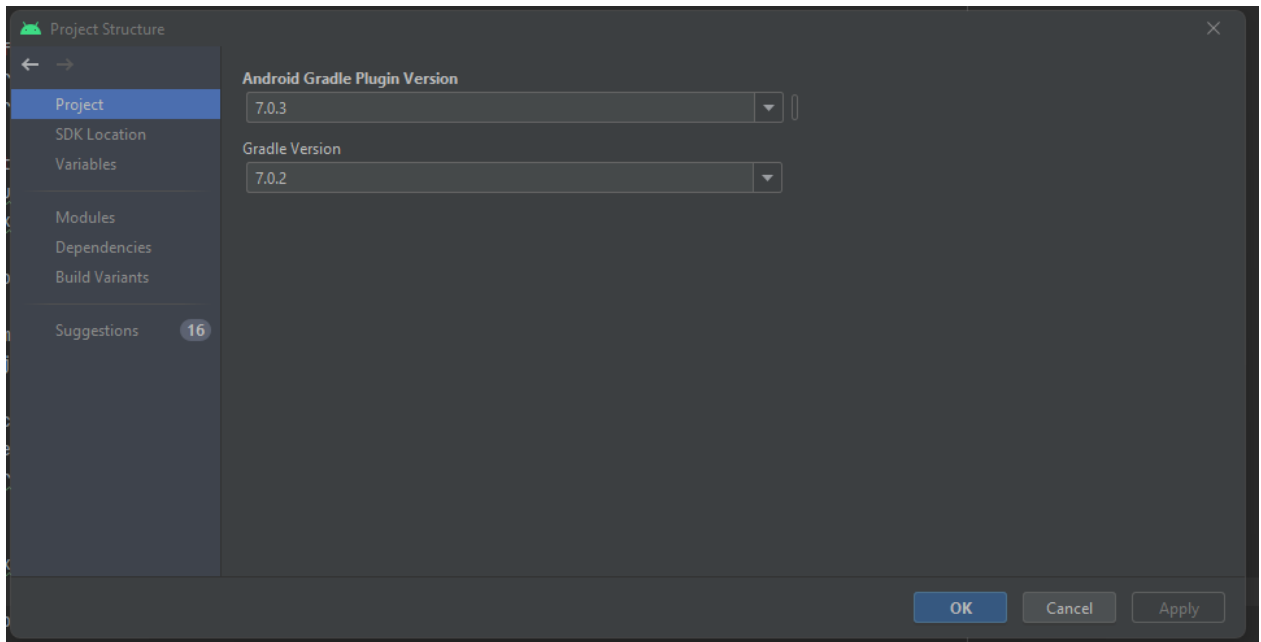
Instructions below for setting up project **c:\dev\Polity-Correct**.
Change accordingly!

1. Download android studio - android-studio-2021.2.1.14-windows [Here](#) (/or another way) and install.
2. Make sure you have java_1.8 with JDK version 8u311 on your computer. (no need for JRE to use android studio)
 - File -> Project Structure -> Modules



3. Open Polity-Correct with android Studio.

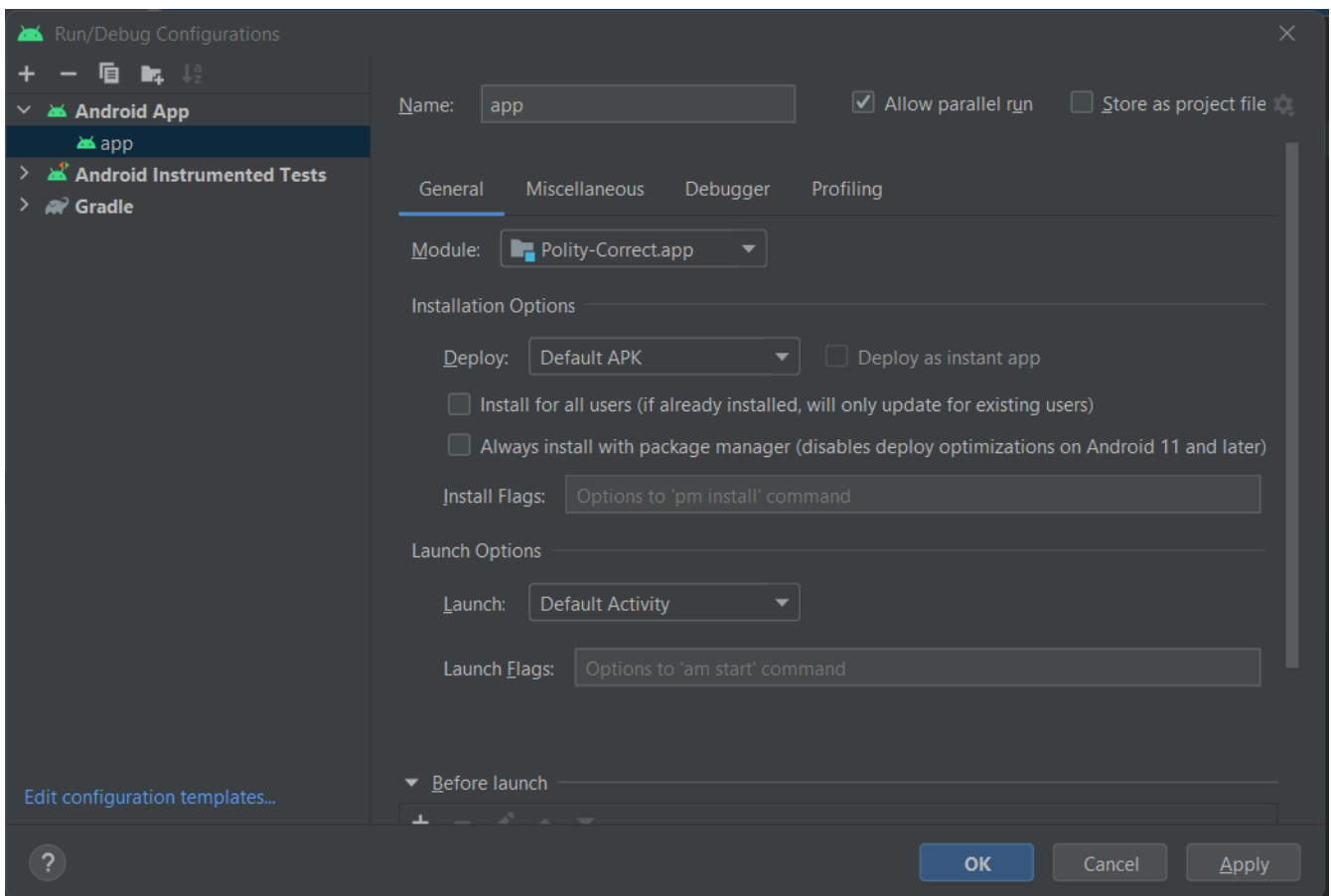
- File -> Project Structure -> Project



- Wait until all Gradle files complete installation (It's can take some time, you can see it in the down-right corner).

4. Add configuration. (after all Gradle files are completely installed)

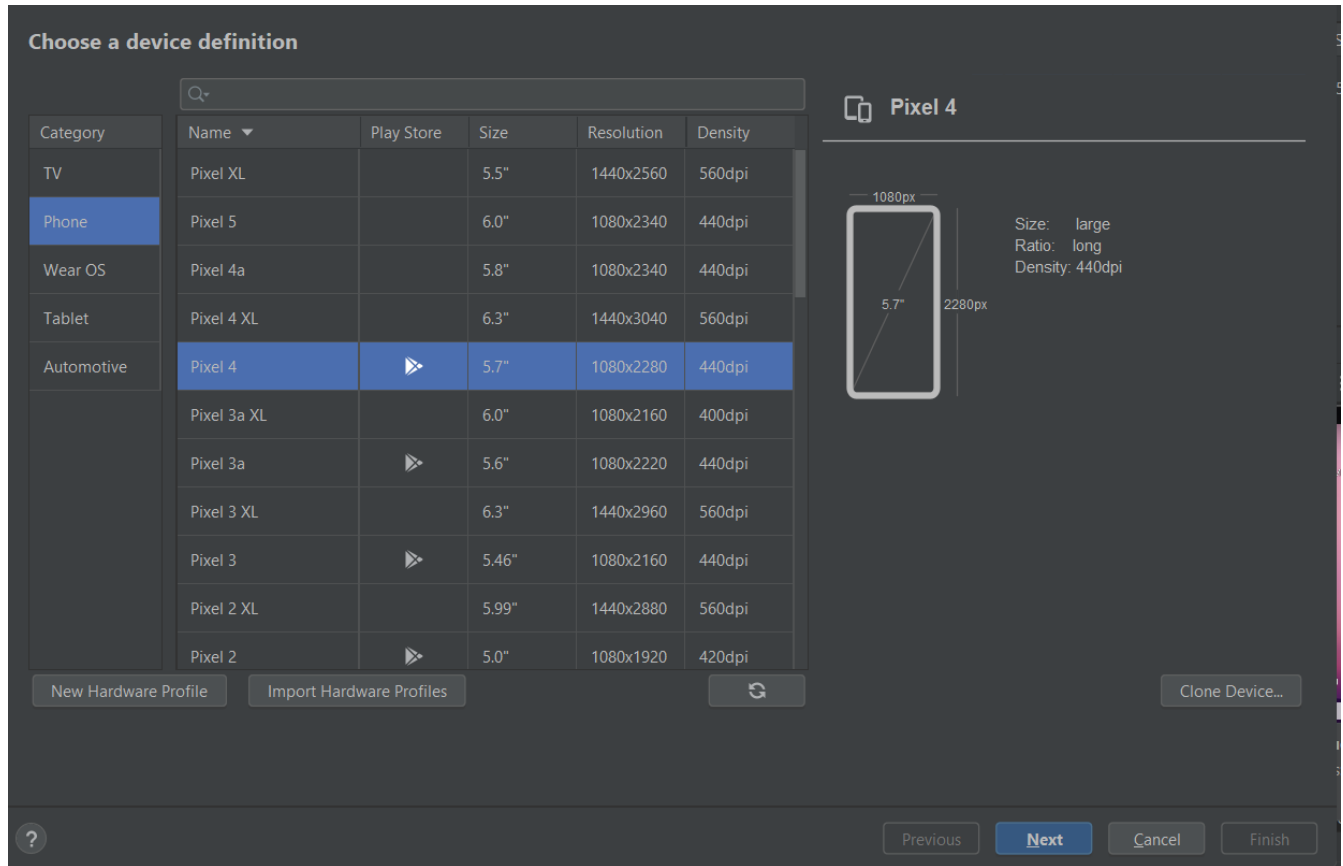
- Run -> Edit configuration



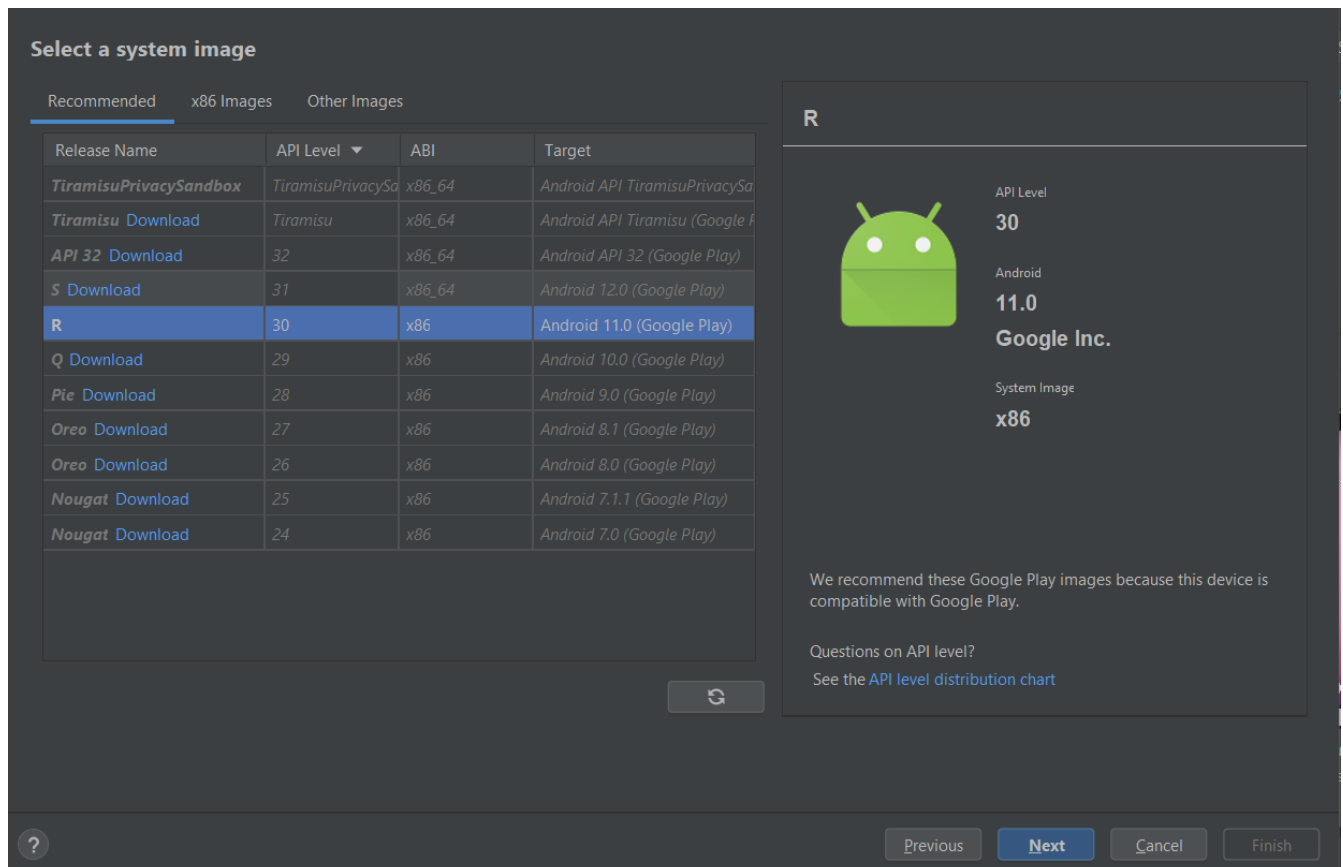
5. Add Device.

- Run -> Select Device.. -> Device Manager -> Create device.

select Pixel 4



Select R (download if you need)



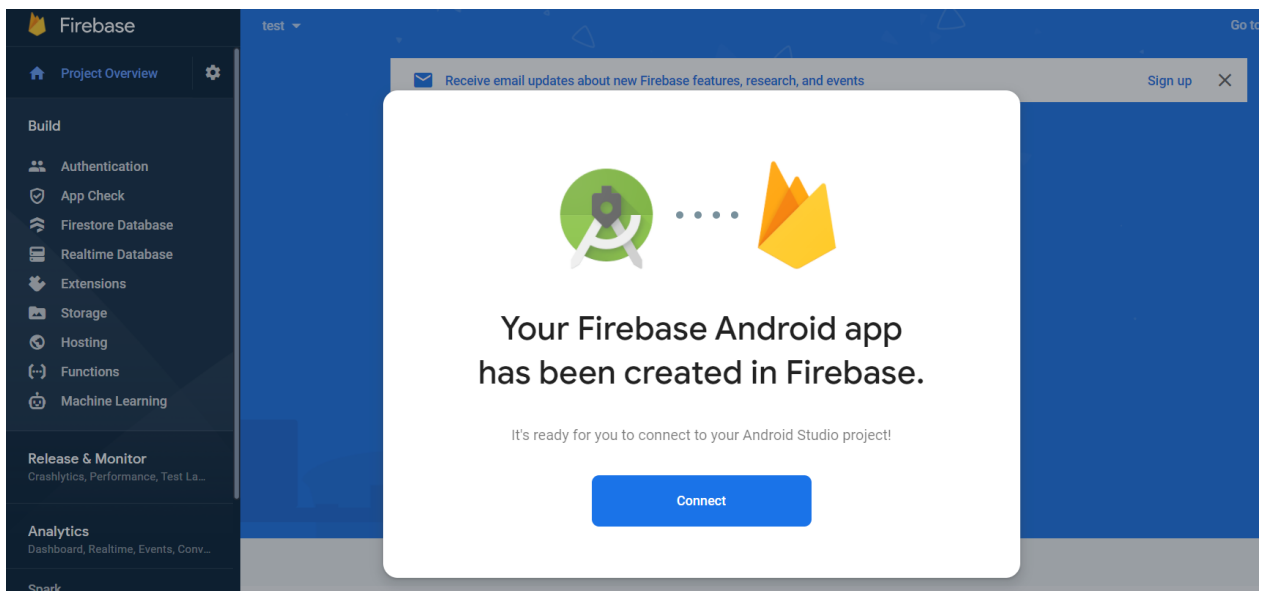
Next -> Finish.

6. Build

7. Delete Polity-Correct -> app -> google-services.json file.

8. Connect android studio to Firebase.

- Create a new project on your firebase account.
- Click Tools -> Firebase to open the Assistant window.
- Click to expand one of the listed features (for example, Analytics), then click connect to Firebase.
- Choose your project on firebase and connect.



9. Build and run. (Wait for the device to turn on)

Setting Firebase (or add your mail to Polity-Correct Firebase to get permissions)

1. Create a new project on your firebase account.
2. Create Firestore Database Project.
3. Download your project's "Firebase Admin SDK" JSON (for python).

Polity-Correct ▾

Project settings

General Cloud Messaging Integrations **Service accounts** Data privacy Users and permissions App Check

[Manage service account permissions](#)

Firebase Admin SDK

Legacy credentials

Database secrets

All service accounts

9 service accounts [↗](#)

Firebase Admin SDK

Your Firebase service account can be used to authenticate multiple Firebase features, such as Database, Storage and Auth, programmatically via the unified Admin SDK. [Learn more](#)

Firebase service account
firebase-adminsdk-frkz1@polity-correct.iam.gserviceaccount.com

Admin SDK configuration snippet

☐ Node.js ☐ Java ☒ Python ☐ Go

```
import firebase_admin
from firebase_admin import credentials

cred = credentials.Certificate("path/to/serviceAccountKey.json")
firebase_admin.initialize_app(cred)
```

[Generate new private key](#)

3. Open the JSON file with a notepad and copy all its contents.

4. Open the file Polity-Correct -> Setup -> FB2NewFB.py and copy the json contents into "client_firebase_json_info" (line 8).

```

1  import json
2  from datetime import date
3
4  import firebase_admin
5  from firebase_admin import credentials
6  from firebase_admin import firestore
7
8  client_firebase_json_info = "Here"
9
10 client_json_dump = json.dumps(client_firebase_json_info)
11 client_json_object = json.loads(client_json_dump)
12
13 client_cred = credentials.Certificate(client_json_object)
14 firebase_admin.initialize_app(client_cred)
15 client_db = firestore.client()
16
17 polityCorrect_firebase_json_info = {
18     "type": "service_account",
19     "project_id": "polity-correct",
20     "private_key_id": "6c3c0fd85b452f925d13ccc7a69861d00f5ba501",
21     "private_key": "-----BEGIN PRIVATE KEY-----\nMIIEugIBADANBgkqhkiG9w0BAQEFAASCBAQw",
22     "client_email": "firebase-adminsdk-frkz1@polity-correct.iam.gserviceaccount.com",
23     "client_id": "114466068948976677401",
24     "auth_uri": "https://accounts.google.com/o/oauth2/auth",
25     "token_uri": "https://oauth2.googleapis.com/token",
26     "auth_provider_x509_cert_url": "https://www.googleapis.com/oauth2/v1/certs",

```

5. Run - **pip install firebase-admin & pip install xmltodict**

6. Run **FB2NewFB.py** in some python3.9 workspace.

▼ Scheduling Odata Updater

1. Open the JSON file your downloaded in the last step with a notepad and copy all its contents.
2. Open the file Polity-Correct -> Odata script -> OdataUpdateData.py and copy the json contents into "client_firebase_json_info" (line 13).

```

1  import json
2  from datetime import date
3  import urllib
4
5  import firebase_admin
6  from firebase_admin import credentials
7  from firebase_admin import firestore
8
9  import traceback
10 import urllib3
11 import xmltodict
12
13 polityCorrect_firebase_json_info = "Here"
14
15 json_dump = json.dumps(polityCorrect_firebase_json_info)
16 json_object = json.loads(json_dump)
17
18 cred = credentials.Certificate(json_object)
19 firebase_admin.initialize_app(cred)
20 db = firestore.client()
21
22
23 def getxml(url_in, type=None):
24     url = url_in
25     http = urllib3.PoolManager()

```

3. Open **Task Scheduler** -> Action -> Create Task

- -> General, Choose action name.
- -> Triggers -> New. Choose your scheduling details.
- -> Actions -> New. Upload **OdataUpdateData.py** file in Program/script.
- OK